



Patent
Attorney's Docket No. 016800-448

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Dominique BERNARD

Application No.: 09/884,953

Filed: June 21, 2001

**For: ISOLATED CATHEPSIN L TYPE
CYSTEINE PROTEASES AND
REDUCING INTERCORNEOCYTE
COHESION/PROMOTING
DESQUAMATION THEREWITH**

Group Art Unit: Unassigned

Examiner: Unassigned

INFORMATION DISCLOSURE STATEMENT TRANSMITTAL LETTER

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Enclosed is an Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of \$180.00 (126) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A certification under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A certification under 37 C.F.R. § 1.97(e), and the fee of \$180.00 (126) as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge \$_____ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of \$_____ is enclosed for the fee due.

The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

P.O. Box 1404
Alexandria, Virginia 22313-1404
(703) 836-6620

By:

Deborah H. Yellin
Registration No. 45,904

Date: July 13, 2001



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Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, Applicant hereby submits the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited was submitted in Application No. 09/143,446, which is the parent of the above-identified application, and therefore copies are not enclosed.

U.S. PATENT DOCUMENTS

U.S. Patent No. 5,710,014 to Michael M. GOTTESMAN *et al.*, issued 01-20-1998.

FOREIGN PATENT DOCUMENTS

Japanese Patent Application No. 016192124, published 07-12-1994;
British Patent Application No. 2 306 961, published 05-14-1997;
PCT Application No. WO 95/07686, published 03-23-1995; and
German Patent Application No. 196 19 366, published 11-20-1997.

NON PATENT LITERATURE DOCUMENTS

William H. BARICOS *et al.*, "*Human Kidney Cathepsins B and L. Characterization and Potential Role in Degradation of Glomerular Basement Membrane*", Biochem. J., (1988), 252(1), pp. 301-304, Portland Press, London, GREAT BRITAIN;

Shyam S. CHAUHAN *et al.*, "*Cloning, Genomic Organization, and Chromosomal Localization of Human Cathepsin L*", J. Biol. Chem., 268(2), pp. 1039-1045, The American Society for Biochemistry and Molecular Biology, Stanford University Libraries, USA;

J.S. RAO *et al.*, "*Expression of Localization of Cathepsin L in Human Gliomas*", Meeting Abstract, Proc Annu Meet Am Assoc Cancer Res., (1995), Vol. 36, p. 95, Abstract 568, Stanford University Libraries, USA;

John J. REILLY, Jr. *et al.*, "*Uptake of Extracellular Enzyme by a Novel Pathway is a Major Development of Cathepsin L Levels in Human Macrophages*", J. Clin. Invest., 86(1), pp. 176-183, July, 1990, The American Society for Clinical Investigation, Inc., Stanford University Libraries, USA;

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Robert W. MASON *et al.*, "*Purification and Properties of Human Liver Cathepsin L*", Biochem. Soc. Trans., (12)6, p. 1111, (1984), Portland Press, London, GREAT BRITAIN;

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Spencer M. SMITH *et al.*, "*Activity and Deletion Analysis of Recombinant Human Cathepsin L Expressed in Escherichia Coli*", J. Biol. Chem., 264(34), pp. 20487-20495, December 5, 1989, The American Society for Biochemistry and Molecular Biology, Stanford University Libraries, USA;

H.H. HEIDTMANN *et al.*, "*Secretion of a Latent, Acid Activable Cathepsin L Precursor by Human Non-Small Cell Lung Cancer Cell*", Proc Annu Meet Am Assoc Cancer Res, Vol. 34, p. 77, Abstract 459, March 1993, Stanford University Libraries, USA;

Akira KAWADA *et al.*, "*Processing of Cathepsins L, B and D in Psoriatic Epidermis*", Arch Dermatol Res, (1997) 289: 87-93, Springer-Verlag, New York, USA; and

Susannah GAL *et al.*, "*Isolation and Sequence of a cDNA for Human Pro-(Cathepsin L)*", Biochem J, (1988), Vol. 253, pp. 303-306, Portland Press, London, GREAT BRITAIN.

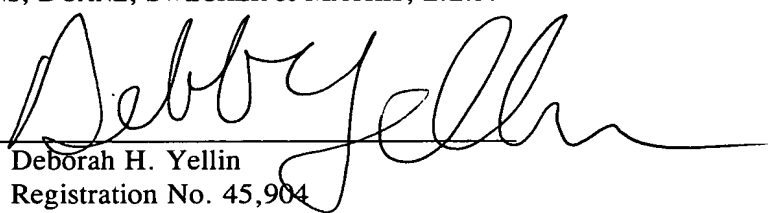
The documents are being submitted within 3 months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later, therefore no fee or certification is required under 37 C.F.R. § 1.97(b).

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

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Registration No. 45,904

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